

Title (en)
TIRE STATE SENSING DEVICE AND TIRE STATE MONITORING DEVICE

Title (de)
REIFENZUSTANDMESSVORRICHTUNG UND REIFENZUSTANDÜBERWACHUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE DÉTECTION D'ÉTAT DE PNEU ET DISPOSITIF DE SURVEILLANCE D'ÉTAT DE PNEU

Publication
EP 3132953 A4 20170802 (EN)

Application
EP 15834664 A 20150626

Priority
JP 2015068477 W 20150626

Abstract (en)
[origin: EP3132953A1] A tire condition detecting apparatus includes a condition detecting section, a transmission section, and a transmission-side control section. The condition detecting section detects the condition of the corresponding tire. The transmission section is configured to transmit a signal that contains information related to the condition of the tire to a receiver, which includes a reception-side control section. The reception-side control section identifies the position of the wheel assembly in which the tire condition detecting apparatus is provided based on the received signal strength indication (RSSI) of the signal. The transmission-side control section causes the transmission section to transmit the signal. The transmission-side control section is configured to cause a position detecting signal and an instruction signal to be transmitted from the transmission section to the receiver. The position detecting signal is configured to cause the reception-side control section to identify the position of the tire condition detecting apparatus. The instruction signal is transmitted before the position detecting signal is transmitted and instructs the reception-side control section to start obtaining the RSSI.

IPC 8 full level
B60C 23/04 (2006.01)

CPC (source: EP KR US)
B60C 23/0415 (2013.01 - KR); **B60C 23/0416** (2013.01 - EP KR US); **B60C 23/0437** (2013.01 - EP US); **B60C 23/045** (2013.01 - KR); **B60C 23/0462** (2013.01 - EP US); **B60C 23/0476** (2013.01 - US); **B60C 23/0483** (2013.01 - US); **B60C 23/0488** (2013.01 - EP KR US); **B60C 23/0489** (2013.01 - EP US)

Citation (search report)

- [A] JP 2014231337 A 20141211 - TAIHEIYO KOGYO KK
- [A] JP 2014083884 A 20140512 - TOKAI RIKI CO LTD
- [A] US 2006250228 A1 20061109 - MORI MASASHI [JP], et al
- See references of WO 2016208056A1

Cited by
DE102016214865A1; DE102016225481A1; US10882366B2; US10710418B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3132953 A1 20170222; EP 3132953 A4 20170802; EP 3132953 B1 20190102; CN 106660416 A 20170510; CN 106660416 B 20180807; JP 6027266 B1 20161116; JP WO2016208056 A1 20170629; KR 101790905 B1 20171026; US 10124632 B2 20181113; US 2017151840 A1 20170601; WO 2016208056 A1 20161229

DOCDB simple family (application)
EP 15834664 A 20150626; CN 201580001999 A 20150626; JP 2015068477 W 20150626; JP 2015549885 A 20150626; KR 20167007147 A 20150626; US 201515023863 A 20150626